### E-906/Seaquest Report

Michelle M. Medeiros for the SeaQuest Collaboration



Argonne National Laboratory

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### Target Status.

- Running well.
- ullet H2 alarms were accidentaly turned off o turned back on.
- ullet Got a pressure alarm for D2 target on Thursday o issue was quickly addressed and the pressure was restored to its nominal value.

#### Station 1.

- Survey completed on Wednesday → necessary for our efficiency studies.
- Deuterium gas bottle was delivered on Tuesday.
- 3-way mixed gas (87% argon, 11.5% isobutane, 1.5% methylal) bottles were delivered on Friday → currently flowing this.
- Monitoring St. 1 current and HV → whenever the current is 0.2 higher than it should be, we ramp it to zero and then back up to its nominal.
- Status of St. 1 current was incorporated in our DAQ status page.

# DAQ Status Page.



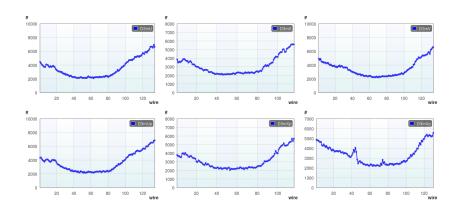
Target Stat		
Target Alarm Sounding		
Time Since Last Alarn		
FMag Current	1980	
KMag Current	1592	
Target Pos. (control)	1 (LH2)	
Target Pos. (prox. senso	or) 1 (LH2)	
MainDAQ St Last Updated: 2016-02-0 Coda EventBuilder Alive	12:38:52	
Coda EventReader Alive	? Yes	
Run Number	18103	
Run Started	12:30:10	
Run Ended	0	
Run State	active	
All components OK?	Yes	
File Size (GB)	0.29	
BeamDAQ St Last Updated: 2016-02-0	12:38:52	
is E906beamDAQ Running? Y		m3)
Status Code	0	_
Cerenkov file age	39 s	
BeamDAQ SpillID age	32 s	_
BeamDAQ Last SpillID	869336	

Spillcounter Status			
SlowControl Status Last Updated: 2016-02-01 12:38:52			
age 54 s			
Slowcontrol spillID 869336			
Alive? Yes			
ScalerDAQ Status Last Updated: 2016-02-01 12:38:53 Coda EventBuilder Alive? Yes			
Yes			
21476			
12:21:15			
17.7 min			
0			
active			
Yes			
Yes (e906sc3.fnal.gov)			
56 s			
56 s			
869336			

CAEN Status
Last Updated: 2016-02-01 12:38:57
rampCAEN Alive

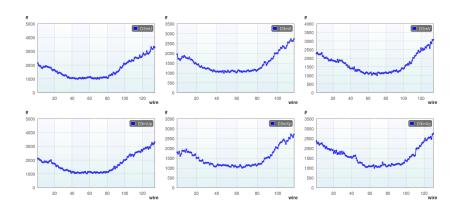
### Stations 2, 3 and 4.

- Running well.
- ullet Found noisy channel on St. 3 o fixed by increasing threshold.



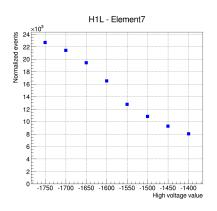
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# Hodoscopes Status.

- On the week before, we replaced one PMT on St. 1.
- The efficiency of this new PMT was analyzed and set to -1550
   V.



# Trigger.

- Trigger timing was studied after hodoscopes HV optimization.
- The change on the trigger timing was mostly of 0-2 ns.
- Trigger timing table was adjusted.

# Summary.

- No big issues last week.
- Flowing new 3-mixed gas bottles into Chamber 1.
- Closely monitoring St. 1 current and HV.
- Taking nominal data most of the time.